Sub B1 7

WHAT IS CLAIMED IS:

1. An armature for a dynamo-electric machine comprising:

a shaft;

a core secured to said shaft having a plurality of slots extending in the axial direction formed on the outer circumferential surface thereof;

a coil composed of a plurality of coil portions formed by winding wires a plurality of turns around a pair of said slots separated by a predetermined number of said slots and offsetting each of said coil portions one slot at a time in the circumferential direction of said core; and

a commutator secured to said shaft having a plurality of segments;

adjacent said coil portions sharing one of said slots along one side thereof,

wherein said segments which should have the same electric potential are electrically connected by means of equalizing connectors.

2. An armature for a dynamo-electric machine comprising:

a shaft;

a core secured to said shaft having a plurality of slots extending in the axial direction formed on the outer circumferential surface thereof;

a coil composed of a plurality of coil portions formed by winding wires a plurality of turns around a pair of slots separated by a predetermined number of said slots and offsetting each of said coil portions one slot at a time in the circumferential direction of said core; and

a commutator secured to said shaft having a plurality of segments;

the number of vacant slots between adjacent said coil portions being nonuniform,

wherein said segments which should have the same electric potential are electrically connected by means of equalizing connectors.

3. An armature for a dynamo-electric machine comprising:

a shaft;

a core secured to said shaft having a plurality of slots extending in the axial direction formed on the outer circumferential surface thereof;

a coil composed of a plurality of coil portions formed by winding wires a plurality of turns around a pair of said slots separated by a predetermined number of said slots and offsetting each of said coil portions one slot at a time in the circumferential direction of said core for a plurality of laps; and

a commutator secured to said shaft having a plurality of segments;

Sub B4

the number of turns of said wires in said coil portions differing in the initial lap and the subsequent laps,

wherein said segments which should have the same electric potential are electrically connected by means of equalizing connectors.

4. The armature for a dynamo-electric machine according to Claim 3, wherein the number of turns of said wires in said coil portions in said initial lap is less than the number of turns of said wires in said coil portions in said subsequent laps.

5. The armature for a dynamo-electric machine according to Claim 3, wherein the number of turns of said wires in said coil portions in said initial lap is greater than the number of turns of said wires in said coil portions in said subsequent laps.

add A'